Christian Nkoy . Jarvis Consulting

Hi, my name is Christian, and I studied computer science and mathematics at university. I work at Jarvis as a software developer. I love applying logical and abstract thinking to solve complex problems. I aspire to become a full-stack software developer. I am excited at the idea of building applications that solve real-life problems and impact how people use technology. My strengths include a solid mathematical background, the ability to communicate effectively in multiple languages, and an insatiable desire to learn and continually improve. You can catch me on a soccer field or playing a strategy game when I am not writing code.

Skills

Proficient: Java, Python, Linux/Bash, RDBMS/SQL, Git, IntelliJ, Agile/Scrum, Cloud Platform

Competent: HTML, CSS, JavaScript, Docker, PostgreSQL, Maven, JUnit, REST API, Multi-threaded programming

Familiar: C, C++, C#, Flask, NodeJS, ReactJS, Mockito, Event-driven programming

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_ChristianNkoy

Cluster Monitor [GitHub]: I developed a monitoring agent for a Linux cluster. The monitoring agent collected hardware specifications and resource usage data for each host in the cluster. I collected data using Bash scripts. I leveraged PostgreSQL for data persistence and used CentOS's crontab to automate the collection of resource usage data. I tested the MVP using multiple queries on a single machine and deployed it using Git and Docker.

Core Java Apps [GitHub]:

- JDBC App: I implemented an application that performed CRUD operations against an RDBMS database. The application connected to a PostgreSQL database and executed SQL statements on it. I used Java's JDBC API and the DAO pattern to achieve this. I tested the application manually with multiple SQL queries. I used Docker for deployment.
- Grep App: I developed an application that mimics Linux's grep command. The app scanned an input file for matching strings and wrote each line where a match occurred onto an output file. I took advantage of Java's tools and features, such as Stream API, and Lambda expressions, as well as IntelliJ, to implement the app. I used Maven for package management and tested the application with multiple text files and string inputs. I also used Docker for deployment.

Highlighted Projects

Nim-move [GitHub]: I worked with a team on designing an algorithm that used a min-max tree to determine the best move in the game of Nim, given a game state. I used Python to implement the algorithm. I tested the application manually by playing multiple games and keeping track of winning/losing records. The program won first place in a competition.

VM [GitHub]: I implemented a virtual machine using Java and multi-threaded programming features such as Runnable, Thread, Lock, and BufferedReader. I used manual testing to ensure that the functionalities of the VM worked correctly. I deployed the app using GitHub.

Professional Experiences

Software Developer, Jarvis (November 2022 - present): I work on various projects using relevant technologies such as Linux/Bash, Java, PostgreSQL, Git, and Docker. I collaborate with a team by leveraging the Agile methodology for software development to achieve project goals. As a team lead, I organized daily scrums and communicated with the team about sprint goals, progress, and impediments. I also generated a daily summary of scrum meetings and made it available to the scrum master and product owner.

Technical Services Specialist - Seasonal, Sterling Operations (May 2018 - October 2021): I employed innovative and efficient measures to treat 750+ sites for vegetation and erosion control every season with a 95+% success rate. I trained and mentored new employees and helped them achieve competency in their roles in minimal time. In addition, I communicated regularly with stakeholders to plan and coordinate the implementation of control measures.

Education

University of Northern British Columbia (2018-2021), Bachelor of Science, Computer Science

University of Northern British Columbia (2016-2018), Bachelor of Science, Mathematics

Miscellaneous

- Occupational First Aid Certification
- UNBC Soccer Intramurals Champion
- Strategy Games